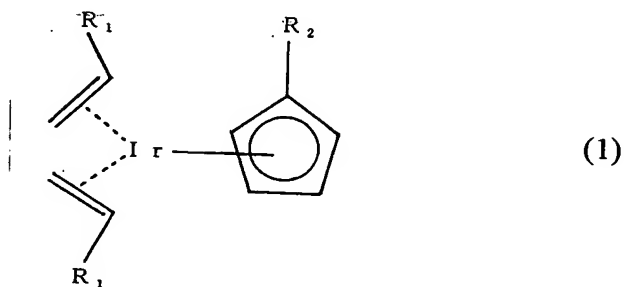


CLAIMS

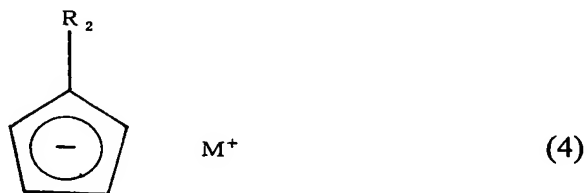
1. An organometallic iridium compound represented by the following general formula (1):



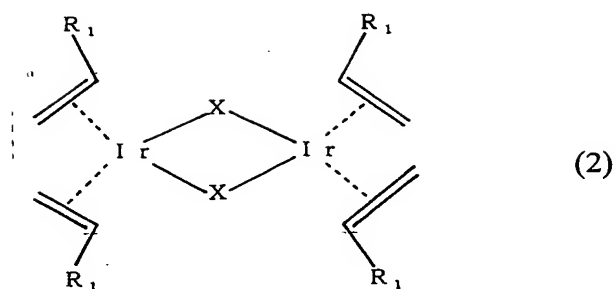
wherein R_1 represents hydrogen atom or a lower alkyl group; and R_2 represents a lower alkyl group.

2. The organometallic iridium compound as claimed in claim 1, wherein R_1 is hydrogen atom.

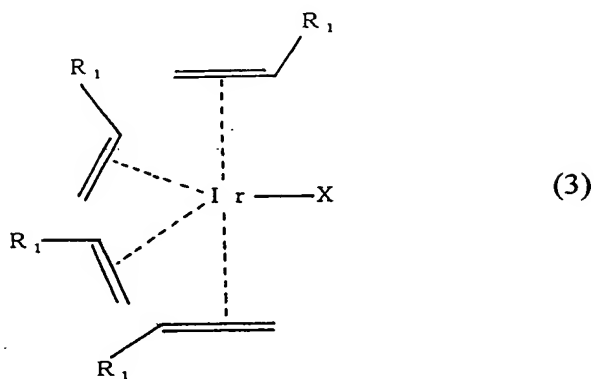
3. A process for producing the organometallic iridium compound as claimed in claim 1 or 2, which comprises reacting a compound represented by the following general formula (4):



wherein R_2 represents a lower alkyl group, and M represents an alkali metal with a compound represented by the following general formula (2) or a compound represented by following general formula (3):



wherein R_1 represents hydrogen atom or a lower alkyl group, and X represents a halogen atom,



wherein R_1 and X are the same as defined above.

4. The process as claimed in claim 3, wherein R_1 is hydrogen atom.
5. A process for preparing iridium-containing films, which comprises using, as a precursor, the organometallic iridium compound as claimed in claim 1 or 2.
6. The process as claimed in claim 5, wherein R_1 is hydrogen atom.